

FIG. 1B
PRIOR ART

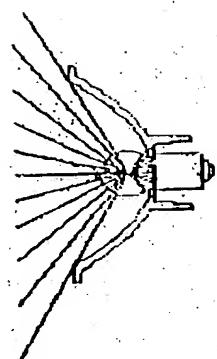


FIG. 1A
PRIOR ART

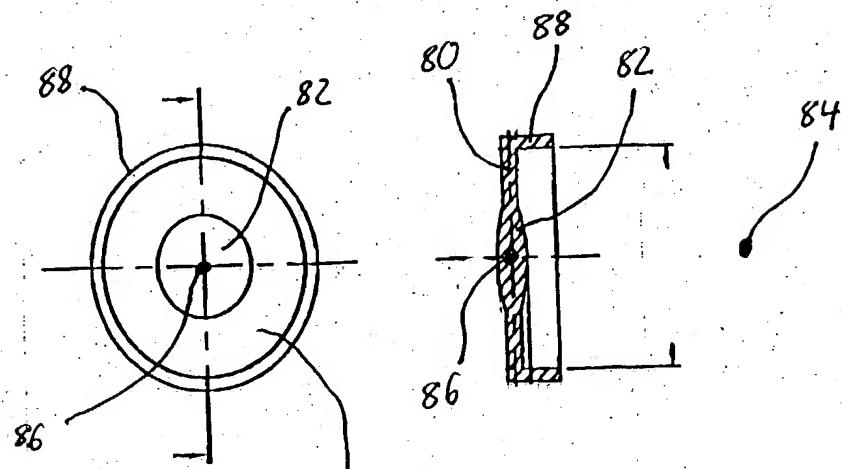
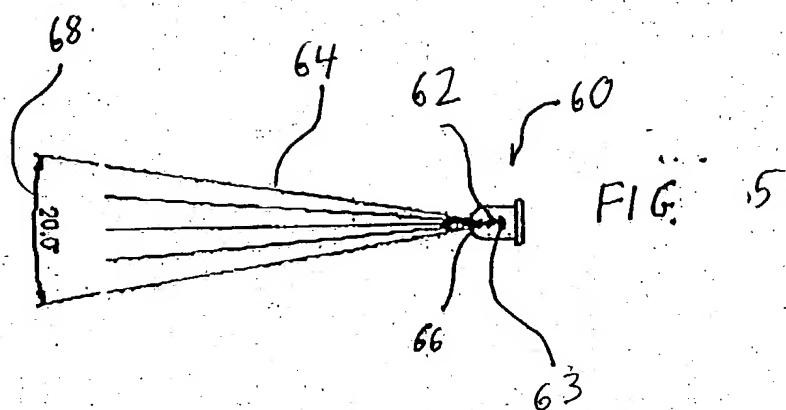
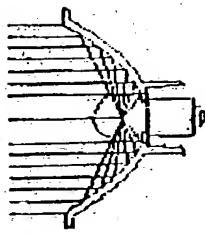


FIG. 6A 80

FIG. 6B

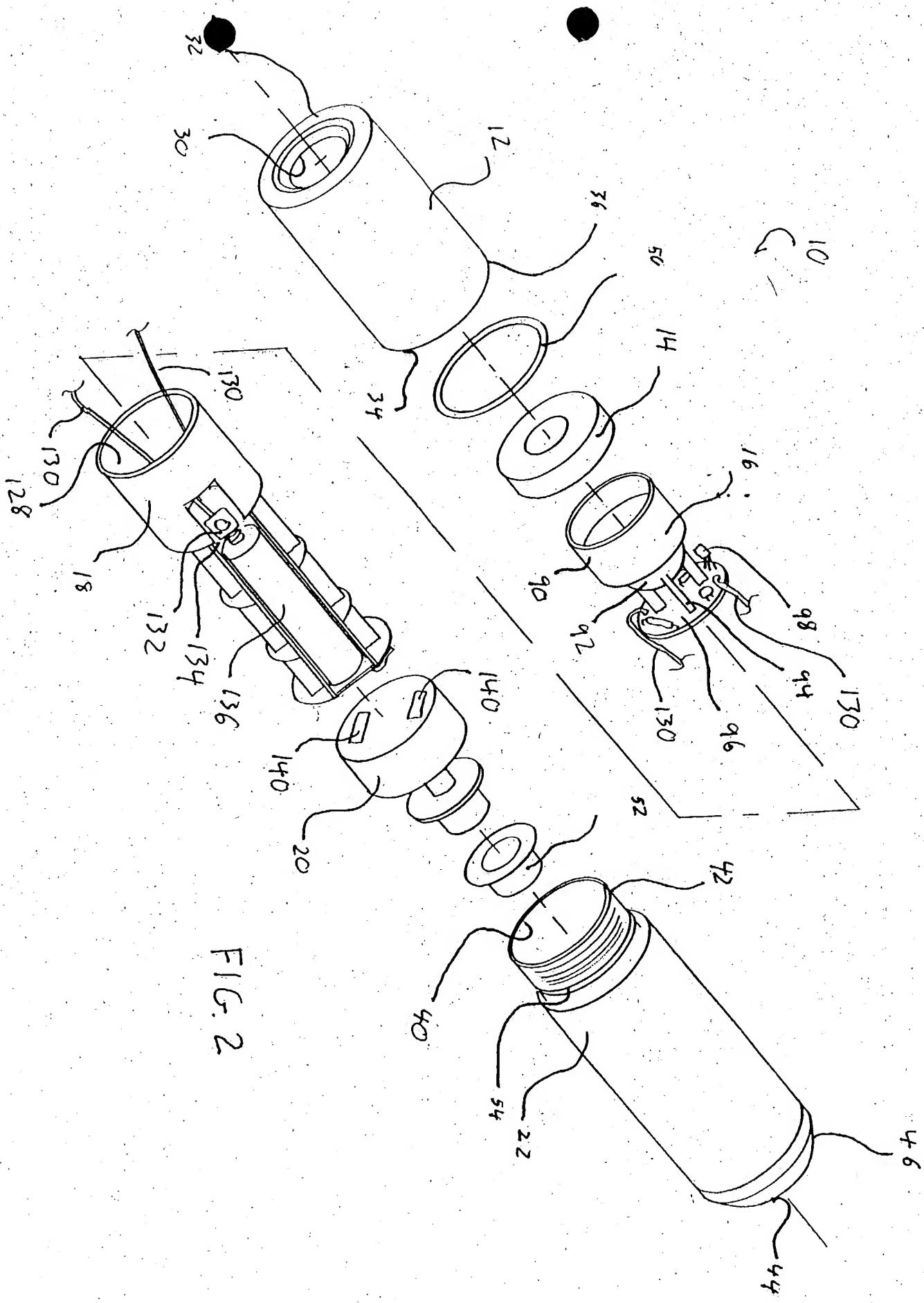


FIG. 2

FIG. 4B

130
132

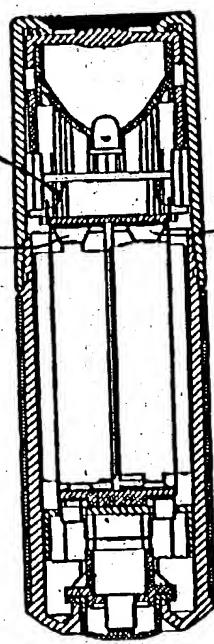


FIG. 3A

30

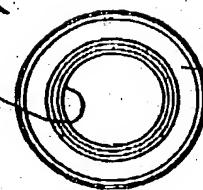


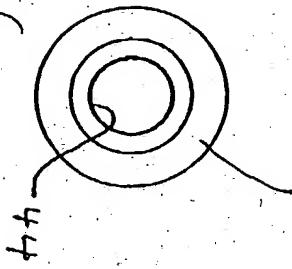
FIG. 3B

12

22



FIG. 3C

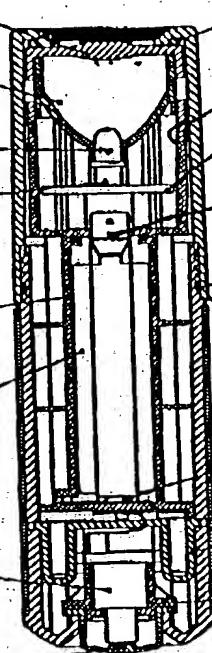


32

FIG. 4A

14
16
60
18
136

20
52
10



50
96
132
54
36
128

36

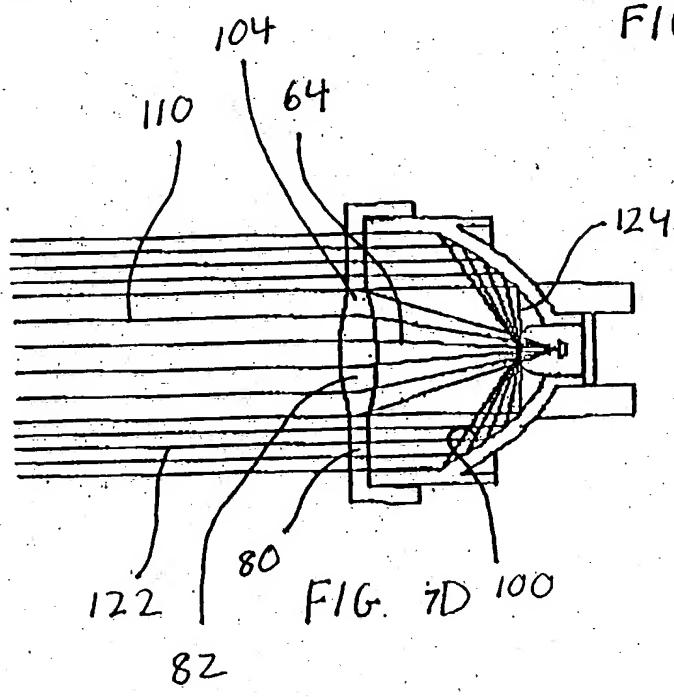
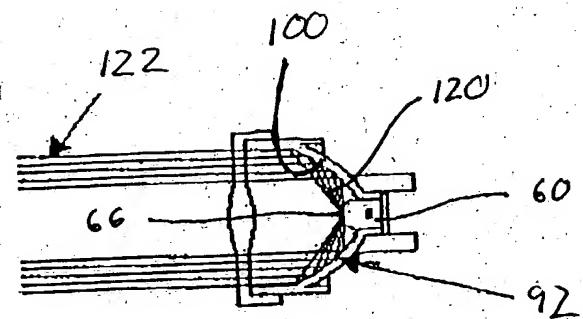
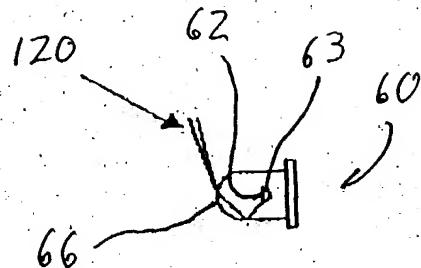
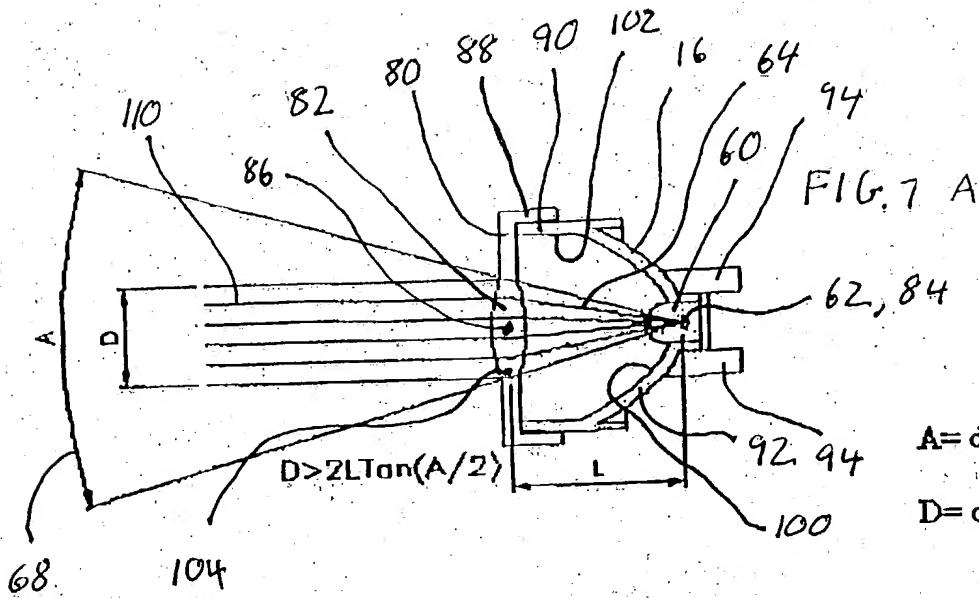


FIG. 8

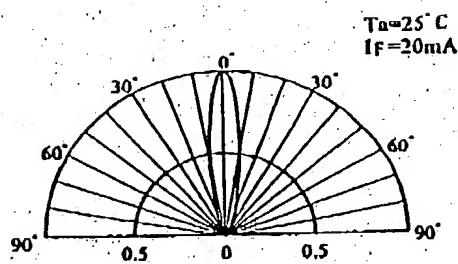
■ Characteristics

- High Power LEDs
- Half Angle ($2\theta_{1/2}$) : 20°
- Superior Weather-resistance
- UV Resistant Epoxy

■ Applications

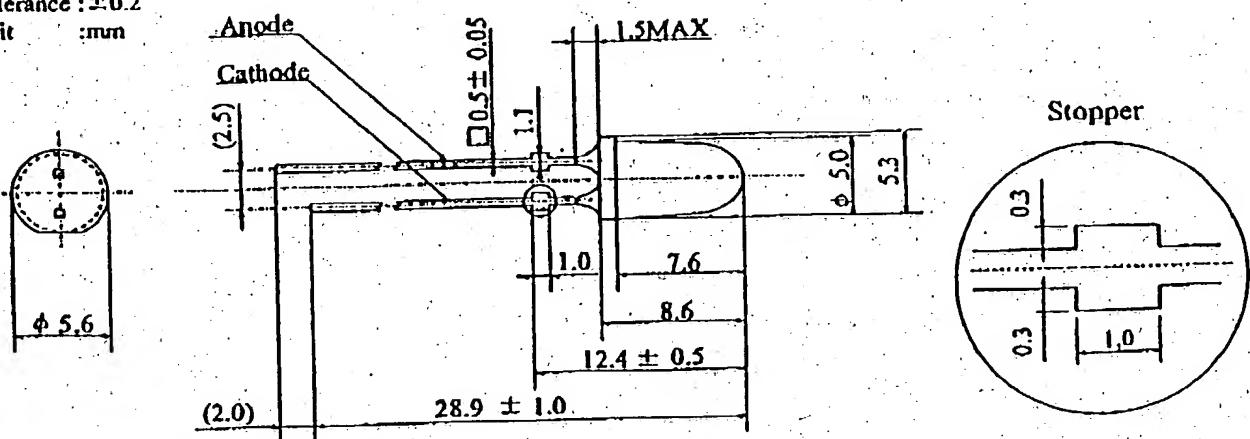
- Advertising Signs
- Indicators
- LCD Back Lights
- Illuminations

■ Directivity



■ Outline Dimension

Tolerance : ± 0.2
Unit : mm



■ Absolute Maximum Rating

($T_a = 25^\circ C$)

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	IF	30	mA
Pulse Forward Current [※]	IFP	100	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	120	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C

※ Pulse width Max. 10ms Duty ratio Max. 1/10

■ Electrical-Optical Characteristics

($T_a = 25^\circ C$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	IF=20mA	-	3.6	4.0	V
DC Reverse Current	I _R	VR=5V	-	-	50	μA
Luminous Intensity	I _V	IF=20mA	-	5.60	-	cd
Chromaticity Coordinate [※]	x	IF=20mA	-	0.31	-	-
Chromaticity Coordinate [※]	y	IF=20mA	-	0.32	-	-

※ Please refer to CIE 1931 chromaticity diagram.